

TNC Male Connector Clamp/Solder Attachment for RG225, RG214, RG393, RG9



PE51765

Configuration

- TNC Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG225, RG214, RG393, RG9

Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51765 TNC Male Connector Clamp/Solder Attachment for RG225, RG214, RG393 and RG9 Cable is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.25:1.

Our TNC male connector PE51765 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.25:1	
Insertion Loss			0.173	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.492 in [37.9 mm]
Width	0.748 in [19 mm]
Height	0.748 in [19 mm]
Weight	0.1 lbs [45.36 g]
Mating Cycles	500 Cycles
Mating Torque	4.1 to 6.1 in-lbs [[0.46 to 0.69 Nm]]

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Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	Teflon	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy
Body	Brass	Copper-Tin-Zinc Alloy
Coupling Nut	Brass	Copper-Tin-Zinc Alloy
Retaining Ring	Brass	Copper-Tin-Zinc Alloy
Gasket	Silicone	
Washer	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Assembly Instruction

DIAGRAM	ASSEMBLY INSTRUCTION
<p>A</p> <p>BODY</p>	
<p>B</p> <p>CONTACT PIN</p>	
<p>C</p> <p>TOP HAT</p>	
<p>D</p> <p>GASKET</p>	
<p>E</p> <p>WASHER</p>	
<p>F</p> <p>NUT</p>	
	STEP 1: STRIP AS SHOWN
	STEP 2: MAKE A 7.2MM LONG CUT IN THE JACKET WITHOUT DAMAGING THE BRAIDING
	STEP 3: SLIDE NUT "F" WASHER "E" AND GASKET "D" OVER CABLE. STEP 4: LOOSEN BRAIDING AND SLIDE TOPHAT "C" BETWEEN DIELECTRIC AND BRAIDING.
	STEP 5: STRIP AS SHOWN
	STEP 6: PUT CONTACT PIN "B" ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN "Y" (USE 3.3mm/0.130inch HEX SECTION OF INSERT- C IF CRIMPED)
	STEP 7: FINALLY SCREW NUT "F" ON THE CONNECTOR BODY "A"

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TNC Male Connector Clamp/Solder Attachment for RG225, RG214, RG393, RG9 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Clamp/Solder Attachment for RG225, RG214, RG393, RG9 PE51765](https://www.pasternack.com/tnc-male-rg225-rg214-rg393-rg9-connector-pe51765.html)

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The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

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